

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) An adaptive array radio communication apparatus having a plurality of antennas, comprising:

estimation means for estimating a correlation value between signals of a plurality of streams received at respective said plurality of antennas,

display means for displaying said estimated correlation value between said signals of said plurality of streams, and

antenna correlation adjustment means for causing the correlation value between said signals of said plurality of streams to be altered manually by a user.

2. (Original) The adaptive array radio communication apparatus according to claim 1, wherein said display means displays the correlation value between said signals of said plurality of streams.

3. (Original) The adaptive array radio communication apparatus according to claim 1, wherein said display means displays a magnitude level of the correlation value between said signals of said plurality of streams.

4. (Original) The adaptive array radio communication apparatus according to claim 1, wherein said display means can selectively display the correlation value between said signals of said plurality of streams and a magnitude level of said correlation value as a display content,

said adaptive array radio communication apparatus further comprising display content designation means for determining the display content by said display means in accordance with designation by a user in advance.

5. (Original) The adaptive array radio communication apparatus according to claim 1, wherein said display means can selectively display the correlation value between said

signals of said plurality of streams and a magnitude level of said correlation value as a display content,

said adaptive array radio communication apparatus further comprising display content switch means for sequentially switching the display content by said display means periodically.

6. (Original) The adaptive array radio communication apparatus according to claim 1, further comprising actuation means for actuating automatically said estimation means and said display means.

7. (Original) The adaptive array radio communication apparatus according to claim 1, further comprising actuation means for actuating said estimation means and said display means in accordance with designation by a user.

8. (Canceled).

9. (Canceled).

10. (Original) The adaptive array radio communication apparatus according to claim 8, further comprising actuation means for actuating automatically said estimation means and said antenna correlation adjustment means.

11. (Original) The adaptive array radio communication apparatus according to claim 8, further comprising actuation means for actuating said estimation means and said antenna correlation adjustment means in accordance with designation by a user.

12. (Currently Amended) An antenna correlation display method of an adaptive array radio communication apparatus having a plurality of antennas, said method comprising the steps of:

estimating a correlation value between signals of a plurality of streams received at respective said plurality of antennas, and

displaying said estimated correlation value between said signals of said plurality of streams;

receiving a user input for causing the estimated correlation value to be altered by a user; and

readjusting the plurality of antennas based on the user-altered correlation value.

13. (Original) The antenna correlation display method according to claim 12, wherein said display step displays the correlation value between said signals of said plurality of streams.

14. (Original) The antenna correlation display method according to claim 12, wherein said display step displays a magnitude level of the correlation value between said signals of said plurality of streams.

15. (Canceled).

16. (Canceled).

17. (Currently Amended) An antenna correlation display computer program product of an adaptive array radio communication apparatus having a plurality of antennas, the computer program product being embodied in computer readable media and causing a computer to execute the steps of:

estimating a correlation value between signals of a plurality of streams received at respective said plurality of antennas, ~~and~~

displaying said estimated correlation value between said signals of said plurality of streams;

receiving a user input for causing the estimated correlation value to be altered by a user; and

readjusting the plurality of antennas based on the user-altered correlation value.

18. (Currently Amended) The antenna correlation display computer program product according to claim 17, wherein said display step displays the correlation value between said signals of said plurality of streams.

19. (Currently Amended) The antenna correlation display computer program product according to claim 17, wherein said display step displays a magnitude level of the correlation value between said signals of said plurality of streams.

20. (Canceled).

21. (New) The adaptive array radio communication apparatus according to claim 1, wherein said display means displays said estimated correlation value as a numeric value, and wherein the user manually adjusts a separation between said plurality of antennas to make the correlation value to be smaller while viewing a current numeric value of said estimated correlation value on said display means.

22. (New) The adaptive array radio communication apparatus according to claim 1, wherein said display means displays said estimated correlation value as in either a high range, a middle range, or a low range, by way of turning on one of a first, second and third LED on said display means.

23. (New) The antenna correlation adjustment method according to claim 12, wherein said estimated correlation value is displayed as a numeric value, and wherein the user manually adjusts a separation between said plurality of antennas to make the correlation value to be smaller while viewing a current numeric value of said estimated correlation value that is being displayed.

24. (New) The adaptive antenna correlation adjustment method according to claim 12, wherein said estimated correlation value is displayed as in either a high range, a middle range, or a low range, by way of turning on one of a first, second and third LED on a display.

25. (New) The antenna correlation display computer program product according to claim 17, wherein said estimated correlation value is displayed as a numeric value, and wherein the user manually adjusts a separation between said plurality of antennas to make the correlation value to be smaller while viewing a current numeric value of said estimated correlation value that is being displayed.

26. (New) The antenna correlation display computer program product according to claim 17, wherein said estimated correlation value is displayed as in either a high range, a

middle range, or a low range, by way of turning on one of a first, second and third LED on a display.